

Title (en)

METHODS OF IDENTIFYING NOVEL PROTEINS AND ANTIGENS IN CANCER CELLS

Title (de)

VERFAHREN ZUR IDENTIFIZIERUNG NEUARTIGER PROTEINE UND ANTIGENE IN KREBSZELLEN

Title (fr)

MÉTHODES POUR IDENTIFIER DE NOUVELLES PROTÉINES ET DE NOUVEAUX ANTIGÈNES DANS DES CELLULES CANCÉREUSES

Publication

**EP 3494231 A4 20200415 (EN)**

Application

**EP 17837591 A 20170802**

Priority

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Abstract (en)

[origin: WO2018026896A1] The present invention provides methods of identifying neopeptides in abnormal cells, with the methods comprising sequencing long-read messenger RNA (mRNA) isolated from the abnormal cells, identifying splice variants that could be generated from the sequenced long-read mRNA, determining if the abnormal cells contain neopeptides that correlate with the identified splice variants. The methods may also comprise identifying at least one neoantigen on the neopeptides that are present in the abnormal cells.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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- [XI] EP 1426442 A1 20040609 - MTM LAB AG [DE]
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- [X] SHANGXI XIAO ET AL: "Low molecular weight species of TDP-43 generated by abnormal splicing form inclusions in amyotrophic lateral sclerosis and result in motor neuron death", ACTA NEUROPATHOLOGICA., vol. 130, no. 1, 19 March 2015 (2015-03-19), BERLIN, DE, pages 49 - 61, XP055674494, ISSN: 0001-6322, DOI: 10.1007/s00401-015-1412-5
- See also references of WO 2018026896A1

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